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IN THE CLAIMS

1. (Currently Amended) A scroll compressor comprising:

a first scroll member having a base and a generally spiral wrap extending from said base, and a second scroll member having a base and a generally spiral wrap extending from said base, said wraps of said first and second scroll members interfitting to define compression chambers, and said second scroll member being driven to orbit relative to said first scroll member to compress a refrigerant entrapped in said compression chambers; and

a capacity control which is self-modulating based upon refrigerant conditions, said capacity control including two distinct valves with a first valve and a second valve, said second valve moving to a low capacity condition when a pressure differential between a more compressed refrigerant and a less compressed refrigerant is below a first predetermined amount, and said first a second of said valves moving to a low capacity condition when a suction pressure is above a second predetermined amount such that low capacity operation only occurs when said pressure differential is below said first predetermined amount and said suction pressure is above said second predetermined amount.

2. (Currently Amended) A scroll compressor as recited in Claim 1, wherein said first second valve has a first chamber for receiving the suction pressure refrigerant and a spring force, said first chamber biasing a piston towards a second chamber which receives an intermediate

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refrigerant from the compression chamber, said first~~second~~-valve moving to a position allowing flow of refrigerant from the compression chamber back to a suction chamber if said suction pressure is above said second predetermined amount.

3. (Currently Amended) A scroll compressor as recited in Claim 2, wherein said second~~first~~-valve includes a piston which sees a discharge pressure on one face, and a lower pressure along with a spring force on a second face, such that said piston moves to a position blocking flow of refrigerant from the compression chamber to the suction chamber if said pressure differential is above said first predetermined amount.

4. (Currently Amended) A scroll compressor as recited in Claim 2, wherein said first~~second~~-valve is movable in a valve chamber, and said first~~second~~-valve having two enlarged portions and an intermediate thinner portion, said intermediate thinner portion being aligned with an intermediate pressure dump for dumping refrigerant from an intermediate compression chamber back to a suction pressure chamber when said suction pressure is above said second predetermined amount.

5. (Currently Amended) A scroll compressor as recited in Claim 1, wherein said second~~first~~-valve includes a piston which sees a discharge pressure on one face, and a lower pressure along with a spring force on a second face, such that said piston moves to a position

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blocking flow of refrigerant from the compression chamber to the suction chamber if said pressure differential is above said first predetermined amount.

6. (Original) A scroll compressor as recited in Claim 1, wherein said scroll compressor is utilized in both a heat pump mode and an air conditioning mode.

7. (Currently Amended) A scroll compressor comprising:

a first scroll member having a base and a generally spiral wrap extending from said base, and a second scroll member having a base and a generally spiral wrap extending from said base, said wraps of said first and second scroll members interfitting to define compression chambers, and said second scroll member being driven to orbit relative to said first scroll member to compress a refrigerant entrapped in said compression chambers;

capacity control which is self-modulating based upon refrigerant conditions, said capacity control including two distinct valves with a second first-valve moving to a low capacity condition when a pressure differential between a more compressed refrigerant and a less compressed refrigerant is below a first predetermined amount, and a first second-valve moving to a low capacity condition when a suction pressure is above a second predetermined amount such that low capacity operation only occurs when said pressure differential is below said first predetermined amount and said suction pressure is above said second predetermined amount, said first second-valve has a first chamber for

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receiving the suction pressure refrigerant and a spring force, said first chamber biasing a piston towards a second chamber which receives an intermediate refrigerant from the compression chamber, said first second valve moving to a position allowing flow of refrigerant from the compression chamber back to the suction chamber if said suction pressure is above said second predetermined amount, said second first valve includes a piston which sees a discharge pressure on one face, and a lower pressure along with a spring force on a second face, such that said piston moves to a position blocking flow of refrigerant from a compression chamber to a suction chamber if said pressure differential is above said first predetermined amount; and

    said scroll compressor being utilized in a heat pump mode as well as an air conditioning mode.

8. (Currently Amended) A scroll compressor as recited in Claim 7, wherein said first second valve is movable in a valve chamber, and said first second valve having two enlarged portions and an intermediate thinner portion, said intermediate thinner portion being aligned with an intermediate pressure dump for dumping refrigerant from an intermediate compression chamber back to a suction pressure chamber when said suction pressure is above said second predetermined amount.